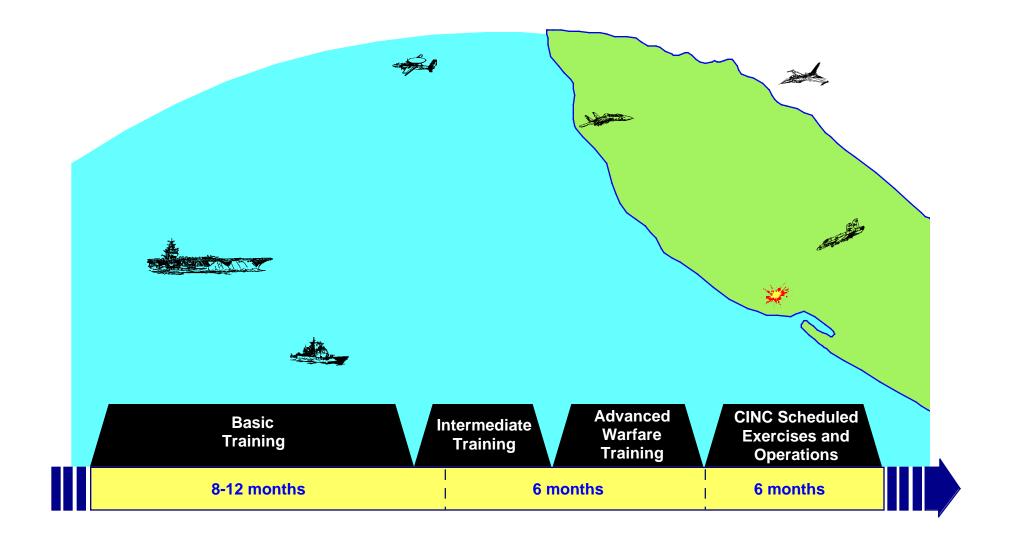


## **JTCTS ORD Focus Is On Live Training**







### M&S Virtual Overlay Enhances Live Training



- Combat System Sensor Models Will Support Realistic Platform Simulation
- Terrain Databases And Environmental Models Will Support Realistic Weapon/Sensor System Modeling
- Computer-Generated Threat Models Will Drive Onboard Combat System Stimulation





# JTCTS Architecture Supports M&S Overlay

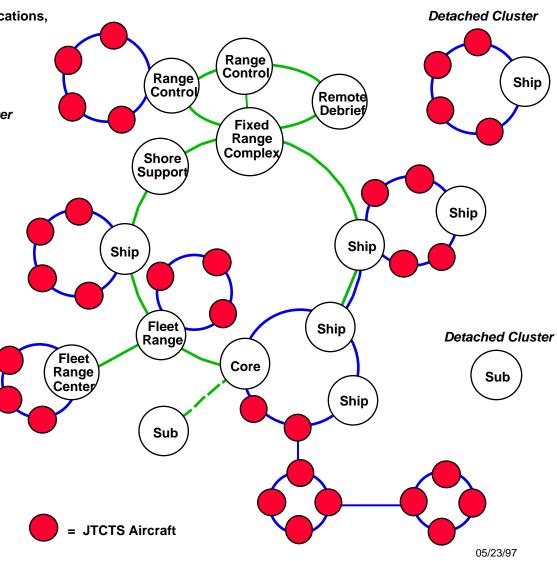


= IDN (RF) for Direct Interparticipant Communications, Required to Support Realtime Engagement Assessment

= WAN/SDL for "External" Communications, Will Embrace HLA, DII-COE

Detached Cluster

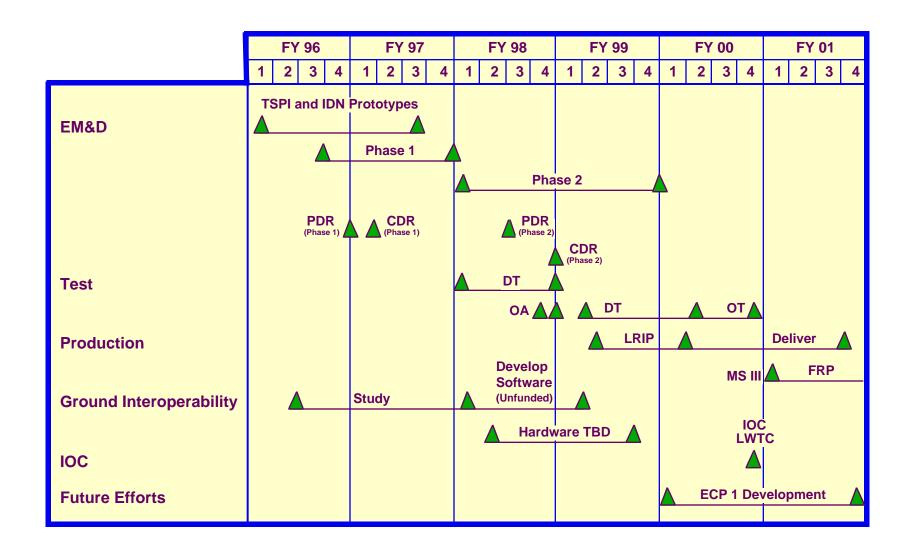
- Simulation Processing Done In A Distributed Environment
- JTCTS Will Be The Enabling Implementation That Connects Live Aircraft To JSIMS





#### **E&MD TIMELINE**

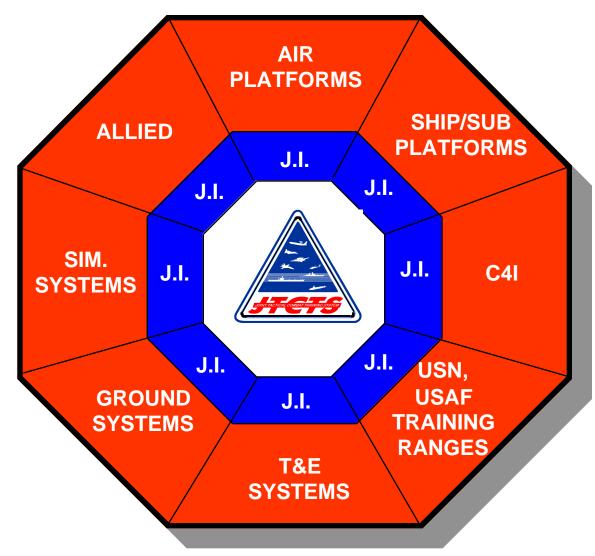






#### JTCTS TOTAL SYSTEM PICTURE



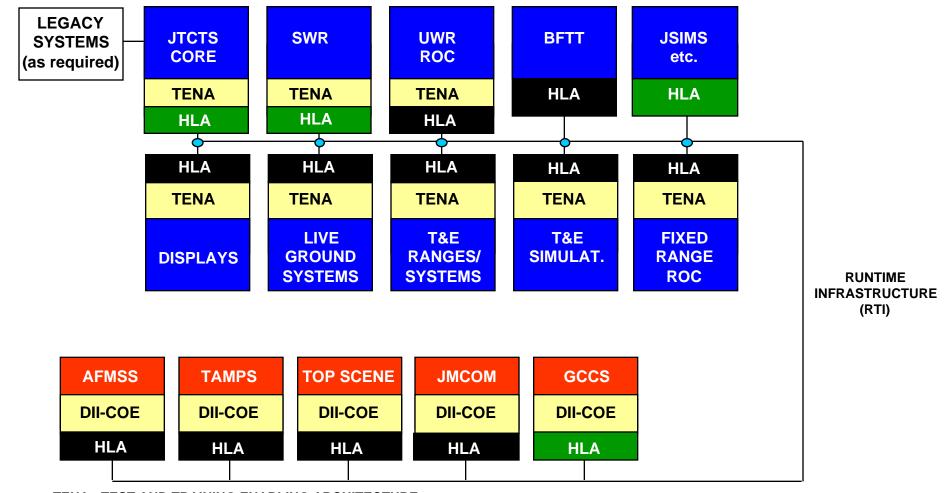


JI = JTCTS PLANNED INTERFACE



#### TRAINING RANGE ARCHITECTURE **END STATE VISION**





TENA: TEST AND TRAINING ENABLING ARCHITECTURE

DII-COE: DEFENSE INFORMATION INFRASTRUCTURE - COMMON OPERATING ENVIRONMENT

**HLA: HIGH LEVEL ARCHITECTURE SWR: SHALLOW WATER RANGE** 

**UWR: (DEEP WATER) UNDERWATER RANGE** 

**ROC: RANGE OPERATIONS CENTER** 

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